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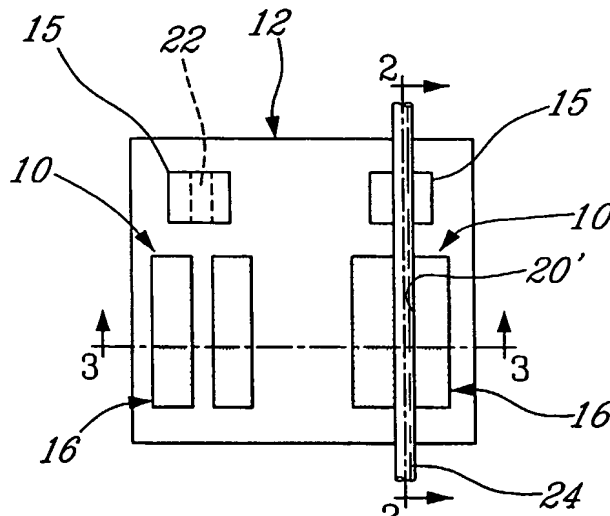
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(54) Title: WIRE POSITIONING AND MECHANICAL ATTACHMENT FOR A RADIO-FREQUENCY IDENTIFICATION DEVICE



(57) **Abstract:** An antenna terminal positioning structure for a radio-frequency identification device having terminal pads mounted to one of its surface is obtained providing a wall assembly mounted to the device surface, the wall assembly having at least one wall surface extending from the device surface so as to be aligned with a target area on the electrical pad. The target is sufficiently large to receive the antenna terminal. An appropriate positioning of the antenna terminal on the pad is obtained by abutting the antenna terminal against the at least one wall surface. A mechanical attachment is activated between the antenna terminal and the positioning structure using a well-known process such as thermo-compression, ultra-violet (UV) or Laser soldering, mono or bi-components gluing etc., depending of the material of the positioning structure. The present positioning structure and attachment process are also applicable in other micro-electronic fields such as micro-sensors and micro-electronic machines (MEMs).